



# State of Louisiana

## STATE LICENSING BOARD FOR CONTRACTORS

### HIGHWAY, STREET, AND BRIDGE CONSTRUCTION STUDY SHEET

The classification of Highway, Street, and Bridge Construction includes the work of all of the following sub-classifications:

Clearing, Grubbing, and Snagging  
Concrete Bridges, Over and Underpasses  
Culverts and Drainage Structures  
Driveways and Parking Areas, Etc., Asphalt and/or Concrete  
Earthwork, Drainage, and Levees  
Fencing  
Highway and Street Sub-surface Drainage and Sewer Work  
Landscaping, Grading, and Beautification  
Permanent or Paved Highways and Streets (Asphalt Hot and Cold Plant Mix)  
Permanent or Paved Highways and Streets (Asphalt Surface Treatment)  
Permanent or Paved Highways and Streets (Concrete)  
Permanent or Paved Highways and Streets (Soil Cement)  
Secondary Roads  
Steel Bridges, Over and Underpasses  
Wood Bridges, Over and Underpasses  
Undersealing or Leveling of Roads

### CONTENT OUTLINE

The following is an outline of the subject areas that will be covered in the exam:

<u>Subject Area</u>	<u>Percentage</u>
Excavation and Grading	20%
Concrete	20%
Traffic Control	15%
Asphalt	10%
Bridges and Structures	10%
Soil Mechanics	10%
Drainage Structures	10%
Pilings	5%

The examination is made up of 80 multiple-choice questions which are equally weighted. You will have four hours to complete this examination. This is a **CLOSED BOOK** exam. You will be provided with a calculator and pencils for use during the examination.

## Reference List

This reference list is just a representative sample of the materials available which contain relevant information. There are a number of other similar books on the market containing similar information. The reference materials listed below should be helpful to candidates in preparing for this examination. These materials may NOT contain all of the information needed to be competent in this trade or to pass the examination. We try to keep this reference list current and consisting of industry-standard materials. However, due to circumstances beyond our control, some of these references may go out of print or be unavailable, or the web link may change. Please contact the publisher, a bookstore, a book distributor, or library for these or similar reference materials. If any reference is out of print or unavailable, your local library may be able to obtain these references for your use through the services of Inter-Library Loan.

**Manual on Uniform Traffic Control Devices;** U. S. Department of Transportation, Federal Highway Administration; Superintendent of Documents, U. S. Printing Office; Washington, DC.; 2009. Available at: [http://mutcd.fhwa.dot.gov/pdfs/2009/pdf\\_index.htm](http://mutcd.fhwa.dot.gov/pdfs/2009/pdf_index.htm)

**Moving the Earth: The Workbook of Excavation;** Nichols, Herbert L., Jr. and Day, David A.; McGraw-Hill; New York; 2005.

**Integrated Materials and Construction Practices for Concrete Pavement: A State-of-the-Practice Manual;** Taylor, Peter C., et. al.; National Concrete Pavement Technology Center Center for Transportation Research and Education and the Federal Highway Administration, Office of Pavement Technology; Ames, IA.; 2004.  
Available at: <http://www.cptechcenter.org/publications/imcp/index.cfm>

**Safety and Health Regulations for Construction;** Code of Federal Regulations, Title 29, Part 1926; U. S. Department of Labor, Occupational Safety and Health Administration; Washington, D.C.; 2007. Available at: <http://www.wbdg.org/ccb/OSHA/29cfr1926.pdf>

**Hot-Mix Asphalt Paving Handbook;** by the U. S. Army Corps of Engineers and the U. S. Department of Transportation, Federal Aviation Administration; Washington, DC.; 2001.  
Available at:  
[http://www.faa.gov/airports/resources/advisory\\_circulars/index.cfm/go/document.information/documentNumber/150\\_5370-14A](http://www.faa.gov/airports/resources/advisory_circulars/index.cfm/go/document.information/documentNumber/150_5370-14A)

**Hanford Site Hoisting and Rigging Manual,** DOE-RL-92-36; U. S. Department of Energy, Hanford Site; Hanford, WA; 2011.  
Available at:  
<http://www.hanford.gov/page.cfm/HoistingRiggingManual>